



DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY REFER TO

5720

Ser SEA 00A5/DON-NAVY-2017-8853D

July 11, 2018



SUBJECT: FREEDOM OF INFORMATION ACT

Dear [REDACTED]:

This is a final response to your July 26, 2017 Freedom of Information Act (FOIA) request in which you seek a copy of a Report on an investigation of General Dynamics Electric Boat of Groton, CT completed in the timeframe of 2001-2014, related to a complaint you made. The Naval Criminal Investigative Service (NCIS) located a responsive document belonging to us during their search and forwarded that document to us for a release determination and direct response to you. NCIS has separately provided you with an answer to the portion of your FOIA request under their purview. Also note, we provided a response to you regarding this subject matter on December 8, 2014 (DON-NAVY-2014-10321) following your direction for this office to not process any portion of your request.

A thorough review of the enclosed document was conducted by various Naval Sea Systems Command (NAVSEA) offices, including the Contracts Directorate, SEA 02, the Program Executive Office (PEO) Submarines, and the Naval Reactors Submarine Contracts Office, SEA 08. Our extensive review also included coordination with the Strategic Systems Programs (SSP) Office. Knowledgeable personnel reviewed the requested information and made a recommendation on the releasability of the attached enclosure.

I considered your request under the FOIA 10 U.S.C. § 552, as amended, and Secretary of the Navy Instruction 5720.42F. After a careful review of document responsive to your request, it was determined that the information you are seeking would not be releasable under exemptions (b)(3), (b)(4), and (b)(6) of the FOIA.

FOIA exemption (b)(3) requires the withholding of information prohibited from disclosure by another statute provided that the statute "(A) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld."

10 U.S.C. § 130 and the Department of Defense (DoD) implementing directive, DoD Directive 5230.25, prohibit disclosure of technical data with military or space application in the possession of, or under the control of, the Department of Defense, if such data may not be exported lawfully outside the United States with an approval, authorization, or license under the Arms Export Control Act. 10 U.S.C. § 130 is an exemption 3 statute. The document's "Distribution D" markings indicate covered under the Arms Export Control Act and therefore the portions covered by the act have been redacted.

FOIA exemption (b)(4) protects confidential business information, the disclosure of which would likely cause substantial competitive harm to the source or would impair the government's ability to obtain similar information in the future. The information redacted under exemption (b)(4) would likely cause substantial competitive harm to the submitter and is therefore properly redacted.

FOIA exemption (b)(6) protects information that relates to individuals that is personal in nature that must be withheld if its release would cause an unwarranted invasion of personal privacy. As the information redacted under (b)(6) does not shed any light on the activities of the Federal government in the performance of its statutory duties, the information is properly redacted.

Accordingly, since the document you have requested is prohibited from public disclosure for the reasons stated above, I am partially denying your FOIA request. The releasable portions of the requested documents are attached as an enclosure.

SUBJECT: FREEDOM OF INFORMATION ACT CASE DON-NAVY 2017-008853

I am the official responsible for the decision regarding your request. You are advised of your right to appeal this decision. Should you decide to appeal this determination, you must do so in writing to:

Department of the Navy
Office of the General Counsel
1000 Navy Pentagon, Room 4E365
Washington, DC 20350-1000

Your appeal must be postmarked within 90 calendar days from the date of this letter. A copy of your initial request and this letter must accompany the appeal. The appeal should be marked "FREEDOM OF INFORMATION APPEAL" both on the envelope and the face of the letter. In order to expedite the appellate process and ensure full consideration of your appeal, your appeal should contain a brief statement of the reasons you believe this decision to be in error.

Please mail a copy of the appeal to:

Commander
Naval Sea Systems Command (SEA 00A5)
1333 Isaac Hull Avenue SE
Washington Navy Yard, DC 20376

For this determination, you have the right to seek dispute resolution services from either the DoD Navy Component FOIA Public Liaison, Mr. Chris Julka, at: Christopher.a.julka@navy.mil, via phone: (703) 697-0031; or by contacting the Office of Government Information Services at: (<https://ogis.archives.gov/>), (202) 741-5770, ogis@nara.gov.

Questions regarding the action taken by this office to process your request may be directed to our FOIA Service Center at (202) 685-0412 or via email at donfoia-pa@navy.mil.

Fees for processing your request have been waived in this instance. However, fees are assessed on a case-by-case basis and you may be charged fees on future requests.

SUBJECT: FREEDOM OF INFORMATION ACT CASE DON-NAVY 2017-008853

If you have any question concerning the foregoing, please contact Ms. Idrelia Brown at 202-781-2430.

Sincerely,



JAVIER MARTINEZ

Initial Denial Authority

Enclosure

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NAVSEA SUBMARINE POINT TASK INSTRUCTION/ WORK ELEMENT DESCRIPTION (WED)																																										
1. CONTRACTOR Electric Boat Corp	2. CONTRACT NO. N00024-09-C-2100	3. SYN: 1100	4. DATE: 2/9/2010																																							
5. TASK NO: 10 1100 01	6. REF NO.	7. APPN: FMS / US RDT&E	8. CH HEAD:	9. ORIG C/NB: PMS397																																						
10. SUBJECT: CMC Concept and System Definition and Initiation of Detail Design (CLIN 1100)																																										
<p>11. DESCRIPTION OF WORK: (Do not omit any item on the list of work. Attach a summary sheet if required.)</p> <p>Conduct concept studies and design activities for the CMC, including but not limited to, development of a CMC specification development of system diagrams and arrangements, missile tube detail design, and preparation of a Manufacturing Assembly Plan. Maintain CMC schedule for development of design deliverables that supports (b)(4) component prototyping, qualification, and ship construction schedules. Provide engineering, design, technical support and other efforts necessary to develop an accurate and producible design. The design must be able to support production at multiple shipyards. Total funding defined in this WED includes all CY 2010 CMC Unique activities defined in reference (4) and all future capability efforts defined in reference (3).</p> <p>A. Development of designs, weights, drawings, system diagrams, interface specifications, interface control documents, system layouts, logistics data, and other data required to design and produce the CMC.</p> <p>B. Performance of engineering calculations, preparation of design and testing documents, and specification development and maintenance required to support the design of the CMC and other data required in support of the design effort.</p> <p>C. Enhancement for producibility and reduced cost by making optimal use of Contractor production facilities, tooling, materials, labor force, sources of supply, manufacturing processes and technologies, and other producibility initiatives (b)(4).</p> <p>D. Performance of the necessary management effort to ensure the on-schedule development of the CMC design and documentation. The Contractor shall identify and maintain visibility of all problems and potential problems arising during contract performance which could impact the schedule. The Contractor shall continue to organize, integrate and control program activities to resolve problems of design, fabrication, and testing of CMC component prototypes, qualification components or modules, and the CMC. To accomplish this the Contractor shall perform the efforts listed below including but not limited to the following:</p> <ol style="list-style-type: none"> 1) Maintain an Integrated Master Schedule (IMS) 2) Develop and maintain Long Lead Time Material (LLTM) Lists and Schedules 3) Develop and maintain a Contractor Performance Management System 4) Maintain a Work Breakdown Structure (WBS) which comprises the entire work effort addressed herein 5) Conduct Event - Based Technical Reviews 6) Host and conduct Program Management Team (PMT) Reviews 																																										
12. List of Key Work Elements																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">P=Planned Start, A=Actual Start, S=Planned Finish, F=Actual Finish, M=Milestones</th> <th colspan="12">CY 10</th> </tr> <tr> <th>J</th><th>F</th><th>M</th><th>A</th><th>M</th><th>J</th><th>J</th><th>A</th><th>S</th><th>O</th><th>N</th><th>D</th> </tr> </thead> <tbody> <tr> <td>Detail Design</td> <td>P</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>S</td> </tr> </tbody> </table>					P=Planned Start, A=Actual Start, S=Planned Finish, F=Actual Finish, M=Milestones	CY 10												J	F	M	A	M	J	J	A	S	O	N	D	Detail Design	P											S
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	J	F	M	A	M	J	J	A	S	O	N	D																														
Detail Design	P											S																														
13. ATTACHMENTS: A. Detail Cost Summary B. Hours and Activities by S&SD WBS C. List of Applicable CORL's D. CMC Deliverables CY 2010																																										
14. REFERENCES: (1) CMC IMS Update to Revision (-) dated 3 Jun 2009 (2) CMC Tier I Schedule Iteration VII dated 16 Oct 2009 (3) CY10 Future Capability WED dated 26 Jan 2010 (4) Concept and System Definition and Initiation of Detail Design (CLIN 1100) - UK Unique WED dated 23 Nov 2009																																										
15. DELIVERABLES & DATES REQUIRED: See Attachment C																																										
16. FUNDING: A funding obligation in the amount of \$24,038,138 (b)(4) <div style="display: flex; justify-content: space-between; font-size: small;"> Cost (Labor / Material) Fee (5%) Total </div> <p>is hereby established for this task and shall not be exceeded without prior NAVSEA Contracting Officer's Representative (COR) approval. The Contractor shall notify the NAVSEA COR in the event of any anticipated change in the total cost of this task within twenty (20) working days of receipt of this task. A detailed explanation is to be provided for any requested modification of the established cost limitation upon expenditure of 75% of the level of the effort required under the task instruction. The contractor shall notify the NAVSEA Task Manager, Funding Sponsor and COR, defined below. NAVSEA will then provide further direction.</p>																																										
17. REMARKS: N/A																																										
18. CONTRACTOR POC: (Signature)		Date:	19. NAVSEA TASK MANAGER: (Signature)																																							
20. NAVSEA FUNDING SPONSOR: (Signature)		Date:	21. NAVSEA COR: (Signature)																																							
		Date:																																								

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ENCLOSURE (A)

EXHIBIT (B)

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NAVSUB SUBMARINE POINT TASK INSTRUCTION WORK ELEMENT DESCRIPTION (WED) CONTINUATION SHEET			
1. CONTRACT NO. Electric Boat Corp	2. CONTRACT NO. N00024-05-C-2100	3. ALEN 1100	4. DATE
5. TASK NO. 10 1100 01	6. REV NO.	7. APPN FMS, US DOT&E	8. ORN CODE PMS397
10. SUMMARY CMC Concept and System Definition and Initiation of Detail Design (CLIN 1100) (Continued)			
11. DESCRIPTION OF WORK: <small>Unplanned work</small> 7) Implement a comprehensive Risk Management process that is focused on program risk areas and the program's critical paths to systematically identify, track and mitigate cost, schedule and technical risks 8) Host and conduct training for Government and Contractor personnel on the Integrated Product and Process Development (IPPD) process as necessary E. Performance of financial and program control over work authorized under this Contract Line Item. This work may include, but not be limited to the following sample subtasks: 1) Provide program level documentation and review to ensure work is planned, authorized, processed, and accomplished in accordance with contract requirements 2) Report technical progress, anticipated delays, manning management issues, financial status, significant variances, estimated costs at completion, and other related matters during Quarterly Program Progress conferences and in Status Reports and Status Review conferences specified in individual Work Element Descriptions 3) Provide task support to prepare and review documentation and interface with other tasks to ensure work is planned, budgeted, authorized, controlled, progressed, reported, and completed in accordance with contract requirements Note: (b)(4) (b)(4) F. Performance of engineering tasks in support of CMC system definition and design G. Perform (b)(4) Assembly Weld Test. This work may include, but not be limited to the following subtasks: 1) Fabricate (b)(4) De-convoluted, ring full scale rate thickness with actual engine mouth and forming dimensions of the (b)(4) section 2) Develop prototype down plate fixture 3) Develop weld engineering instruction, manufacturing engineering plan, and accuracy control plan H. Deployment of (b)(4) capabilities and investigation of new technologies are required to support cost effective design efforts for the Ohio Replacement Program (ORP). Electric Boat will work with commercial vendors to deploy (b)(4) capabilities that will support design, engineering, and planning activities for development concepts and arrangement analysis for ORP. Software licenses will be procured to support both the development efforts and production needs based on ORP requirements. CV2010 (b)(4) efforts will continue to establish the infrastructure and implement commercial Product Lifecycle Management (PLM) software tools to provide concept analysis, design engineering, and planning capabilities for ORP. This includes training (b)(4) deployment personnel in the tools supporting (b)(4) capabilities, performing process improvement activities, and configuring the software to provide the following capabilities: 1) Improved system description and system diagrams for ORP. Define the next generation process and implement the tools for research and development of new submarine systems, including customer approvals and evaluating the declassification of diagrams. This will provide the capability to author and manage system schematics and associated data (diagrams) for ORP. Common formats for future system diagrams with a minority of content differences to account for the different disciplines. 2) (b)(4) Provide ship system engineering and design tools to analyze and simulate ship systems operations. This includes the ability to incorporate ship specific variations on diagrams and 3D designs, provide timely response to customer design concept alternatives, capture the system definition early in the design process, and provide a better understanding of ship system to ship system interfaces to support ORP. This will extend and be integral with the system diagram capability. 3) Electrical design capability. Develop requirements for the design capture of electrical cableways and cable routing. Perform commercial vendor product search/assessment for tool solutions and select tool to support electrical design capability for ORP. This will include integration of the selected tool with the (b)(4) to manage the design data. 4) Common design and planning processes. Finalize a common integrated design and planning process that deploys functionality of current software products to provide the capability for authoring and managing data. This incorporates supporting activities such as 3D modeling, parts standardization, material sourcing, product structuring, standard notes, change management, etc for submarine design. Provides a framework for developing detailed discipline specific processes (e.g., structural, piping, electrical, etc). This effort will define, configure and deploy the computing environment and database in support of the integrated design and planning process for ORP. This will include modification to procedures, work methods, and training curriculum as required. 5) Advanced Visualization capability. Review capabilities that provide advanced visualization requirements in the areas of 3D virtual mock up, 3D immersion, manufacturing and installation sequencing, and electronic delivery of design and construction information to the shop floor for ORP. Evaluate and select map tools to support the ORP advanced visualization requirements. 6) Discipline Specific Process development for Structural, Piping, Ventilation, Electrical, Mechanical, and Hangers. Defines the integrated detailed design and planning processes for discipline specific authoring and data management. This effort will modify the common modeling and planning process as necessary for discipline specific needs to support ORP. This will include modification to procedures, work methods, and training curriculum as required for each specific discipline. 7) Ship arrangements - second release. Refines the 3D modeling process to be implemented at the end of 2009 that will develop and manage ship arrangements. This includes establishing the spatial requirements for components, structures, fluids, mechanical systems, etc. supporting whole ship arrangements for ORP. This effort will include refinement to procedures, work methods, and training curriculum as required.			

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WED GUIDE: # 010 3

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Detail Cost Summary

NAVSEA SUBMARINE POINT TASK INSTRUCTION/ WORK ELEMENT DESCRIPTION (WED)					
SUBJECT: CMC Concept and System Definition and Initiation of Detail Design (CLIN 1100)					
LABOR Manhours DEPARTMENT	PERIOD				Total
	CY10	CY _	CY _	CY _	
Various	(b)(4)				
	TOTAL HOURS	(b)(4)			
LABOR \$/HR					
DIRECT MATERIAL	(b)(4)				
Material Hardware	(b)(4)				
TRAVEL (per diem, hotel, rental cars, fuel)	(b)(4)				(b)(4)
SUBCONTRACT	(b)(4)				(b)(4)
PURCHASED SERVICES	(b)(4)				(b)(4)
FCM	(b)(4)				(b)(4)
TOTAL MATERIAL	(b)(4)				(b)(4)
TOTAL (LABOR+MATL)	(b)(4)				(b)(4)
(b)(4)	(b)(4)				(b)(4)
TOTAL DOLLARS	(b)(4)				(b)(4)

VENDOR/PURCHASED SERVICES

ROM

(b)(4)		(b)(4)
(b)(4)		(b)(4)
(b)(4)		(b)(4)
(b)(4)		(b)(4)

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Attachment A

[Redacted]

[Redacted]

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Form 10-1 (Rev. 10-1-80)

WBS	ACTIVITY DESCRIPTION	ES NUMBER
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[Redacted]	(b)(3), (b)(4)	(b)(3), (b)(4)
[Redacted]	(b)(3), (b)(4)	(b)(3), (b)(4)
[Redacted]	(b)(3), (b)(4)	(b)(3), (b)(4)
[Redacted]	(b)(3), (b)(4)	(b)(3), (b)(4)
[Redacted]	(b)(3), (b)(4)	(b)(3), (b)(4)



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WMC

ACTIVITY DESCRIPTION

ED HOURS (b)(3), (b)(4)

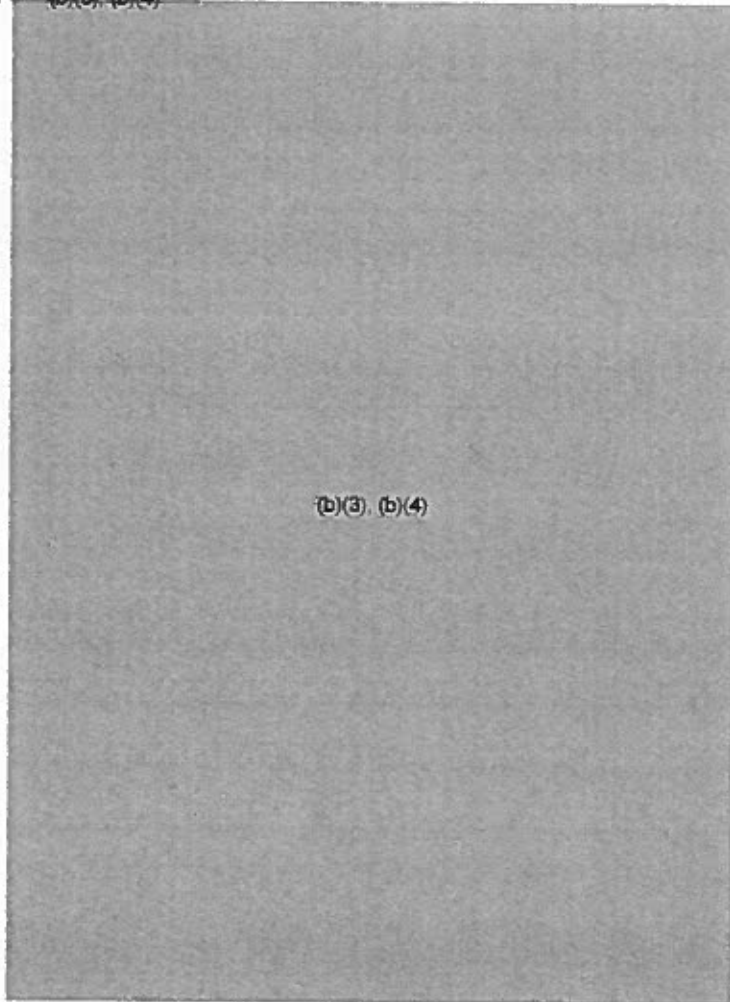
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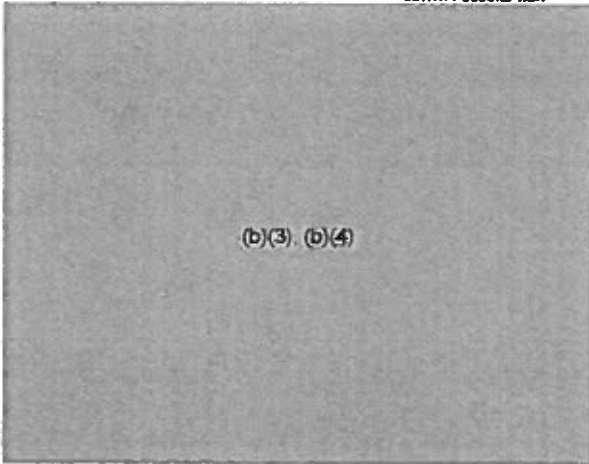
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UNIT 2, PART 1, SECTION 1

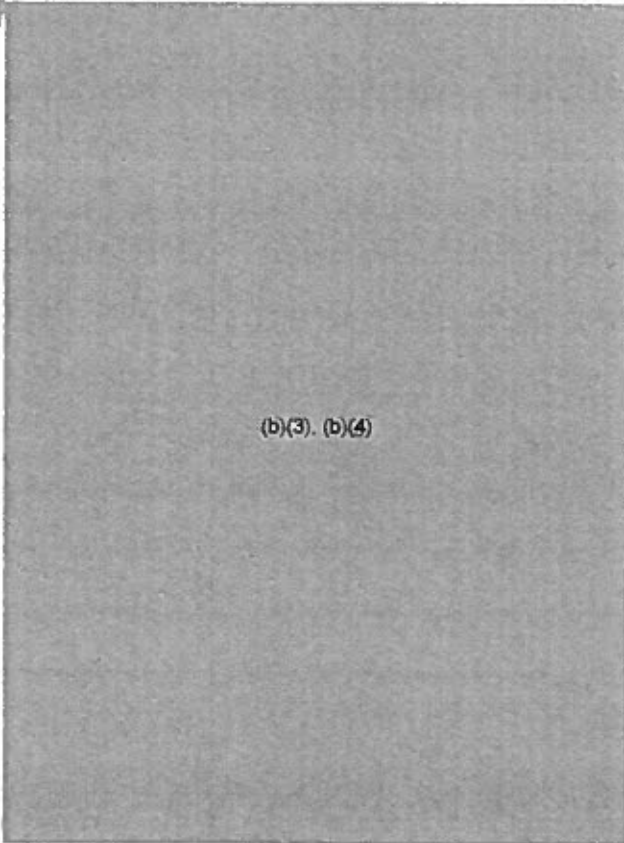
W&C

ACTIVITY DESCRIPTION

SEE NOTE (b)(3), (b)(4)



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Attachment B
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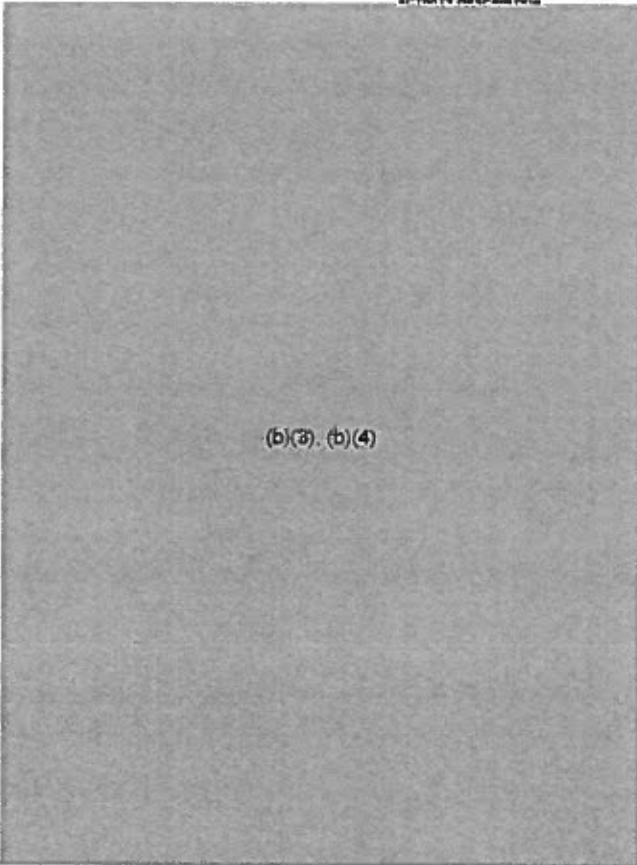
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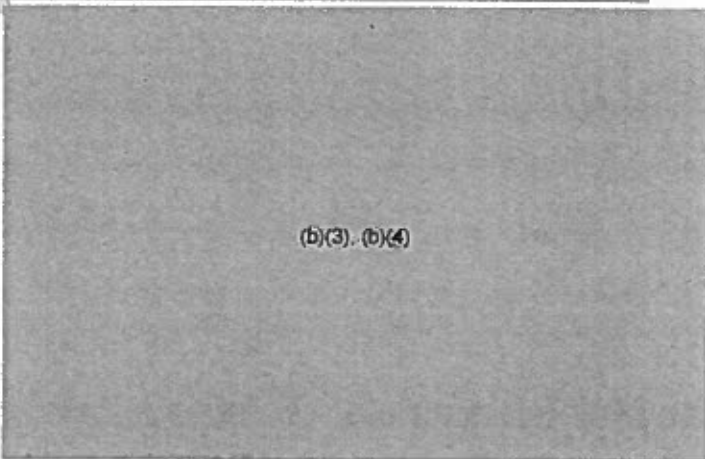
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ATTENTION: PERSONNEL ONLY

SS NUMBER (b)(3), (b)(4)



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Attachment B
* of 4



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*Hours & Activities by SSN/ID TYPE

NAME

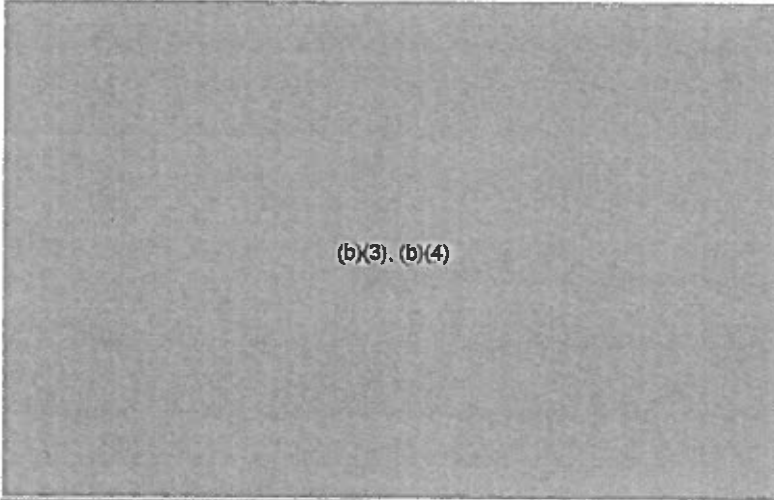
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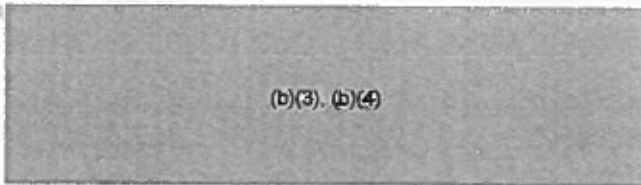


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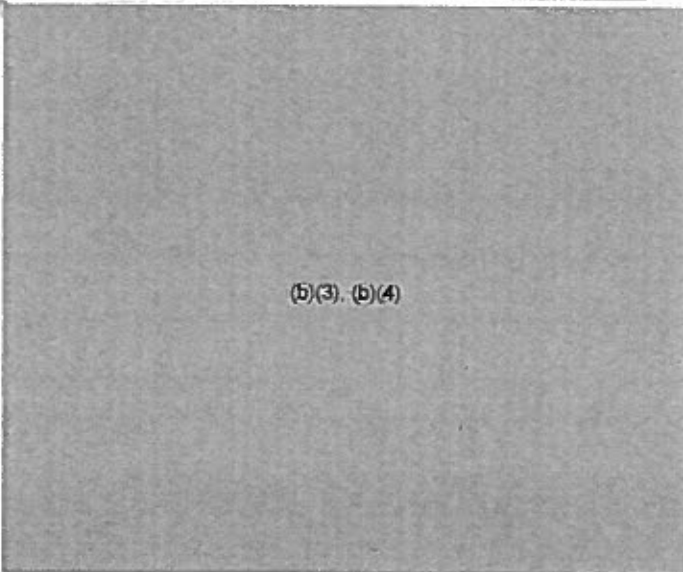
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ADDITIONAL
8-21-64

Figure 3 was drawn by David White

19 04 58

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Form 8 Approved by USSD WPM

WEEK

ACTIVITY DESCRIPTION

LS HOURS
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Attachment B
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7267 11/01/01 by JHEB WBS

ACTIVITY DESCRIPTION

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(b) (3), (b) (4)

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(b)(3), (b)(4), (b)(3), (b)(4)

Attachment 3
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Attachment 3
(3 of 4)

(b)(3), (b)(4)

• **100% of the population of the world is affected by HIV/AIDS**

ACTIVITY DESCRIPTION

LEADERS (b)(3) (b)(4)

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ED HOURS (b)(3), (b)(4)

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REPORTING 3
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Form 8-1, Rev. 4-74, By 3850 (1-75)

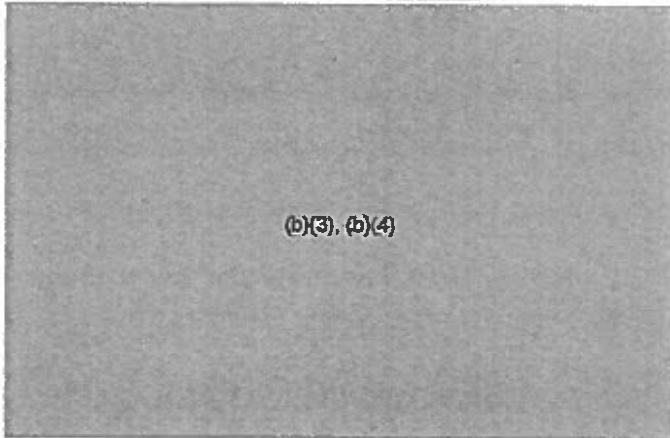
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ACTIVITY DESCRIPTION

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(b)(3), (b)(4)



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GROUP 1 EXCLUDED BY E.O. 13526

WISC

ACTIVITY DESCRIPTION

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(b)(3), (b)(4)



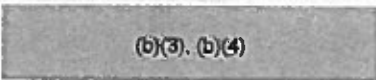
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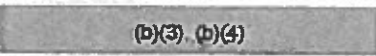
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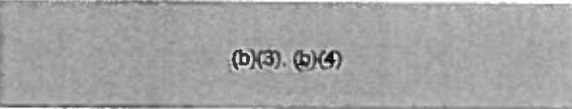
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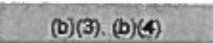
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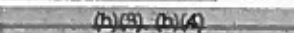
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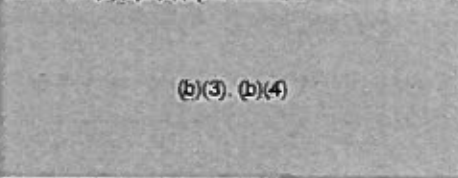
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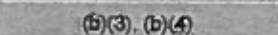
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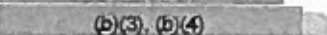
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(b)(3), (b)(4)



(b)(3), (b)(4)



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Figure 5. Activity Description, NISU file

WISC

ACTIVITY DESCRIPTION

ED HOURS (b)(3), (b)(4)

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— 3 —

ACTIVITY DESCRIPTION

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Attachment 2
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***REDACTED & RECOVERED BY SOURCE WBS**

ACTIVITY DESCRIPTION

(b)(3), (b)(4)

(b)(3), (b)(4)

[REDACTED]

[REDACTED]

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Form 4-1 Approved by FTS, WAFS

WBS# ACTIVITY DESCRIPTION

EE HOURS (b)(3), (b)(4)

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Return to Advertising by ROBERT ADAMS

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[illegible]

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Return & Approve By SPS: [redacted]

WISC

ACTIVITY DESCRIPTION

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List of Applicable CORL's

CORL NO	CORL Title	Applicable	WBS	Comments
A001	Technical Report - Study/Services	X		
A002	Management Plan	X		
A003	Contract Work Breakdown Structure			post program initiation
A004	Cost Data Summary Report (DD FORM 1321)			post program initiation
A005	Functional Cost-Hour Report (DD FORM 1321-1)			post program initiation
A006	Contract Performance Report (CPR)			post program initiation
A007	Contract Funds Status Report (CFSR)			post program initiation
A008	Point Task Instruction/Work Element Description (WED)	X	(b)(4)	
A009	Integrated Master Schedule (post program initiation)			post program initiation
A010	Government Furnished Information Deficiency Report	X	(b)(4)	
A011	System Engineering Management Plan (SEMP)	X	(b)(4)	work no delivery
A012	Product Development Models and Associated UML	X	(b)(4)	work no delivery
A013	Specifications	X	(b)(4)	
A014	System/Subsystem Design Description (SSDD)	X	(b)(4)	
A015	Software Development Plan (SDP)			
A016	Software Product Specification (SPS & SW Build)			
A017	Test Plan			
A018	Test Procedure			
A019	Test/Integration Report			
A020	Contractor's Configuration Management Plan			
A021	Stock Management Plan			
A022	System Safety Program Plan (SSPP)			
A023	Special Equipment Long Lead Time Barge List			
A024	Integrated Logistics Support Plan			
A025	Failure Mode, Effects, and Criticality Analysis Report			
A026	Planned Maintenance System (PMS) Reliability Centered Maintenance (RCM) Documentation Control Sheet			
A027	Reliability Prediction and Documentation of Supporting Data			
A028	Manufacturability Prediction Report			
A029	Follow OnC Manufacturer Data			
A030	Integrated Master Schedule (pre program initiation)	X		
A031	Contract Work Breakdown Structure (pre program initiation)	X		
A032	Cost Data Summary Report (DD FORM 1321) (pre program initiation)	X	(b)(4)	
A033	Functional Cost-Hour Report (DD FORM 1321-1) (pre program initiation)	X		
A034	Contract Performance Report (CPR) (pre program initiation)	X		
A035	Contract Funds Status Report (CFSR) (pre program initiation)	X	(b)(4)	

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ADDENDUM 2

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CMC CY 2010 EB DELIVERABLES

Attachment D

PRELIMINARY

ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
(b)(3), (b)(4)	(b)(3), (b)(4)	(b)(3), (b)(4)

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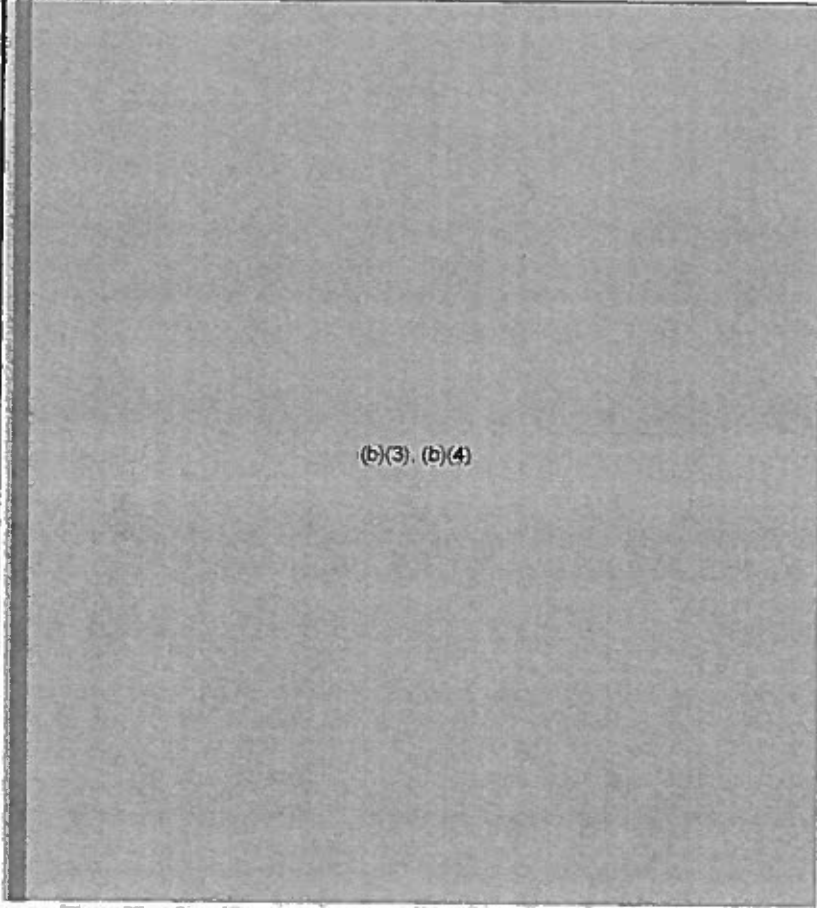
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PRELIMINARY

ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
		

(b)(3), (b)(4)

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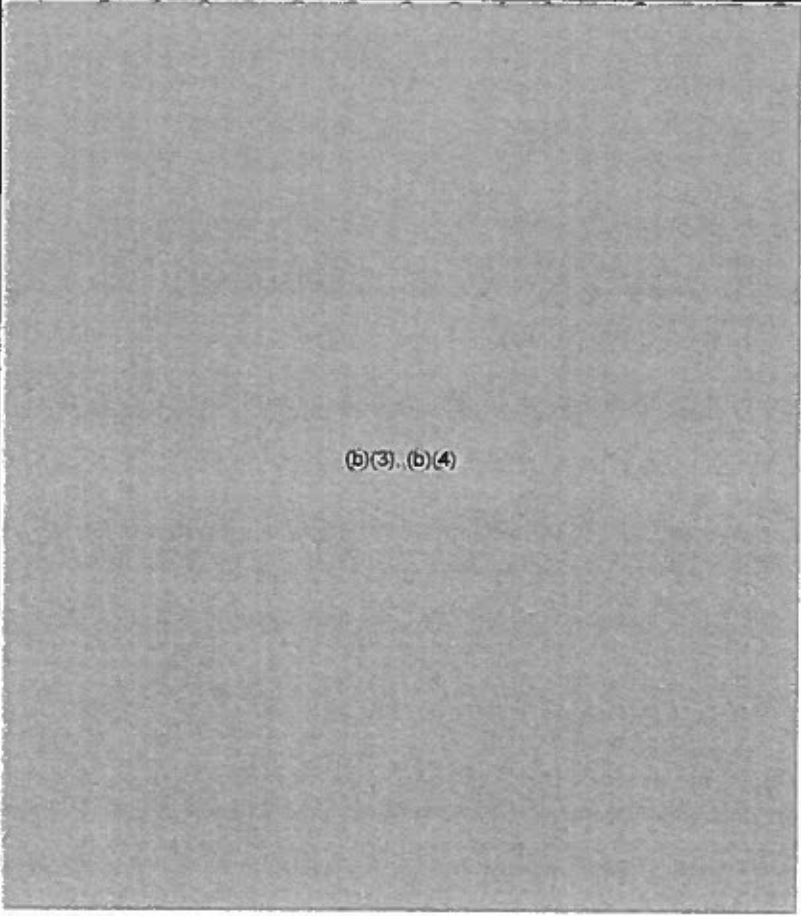
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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEME DATE
		

(b)(3), (b)(4)

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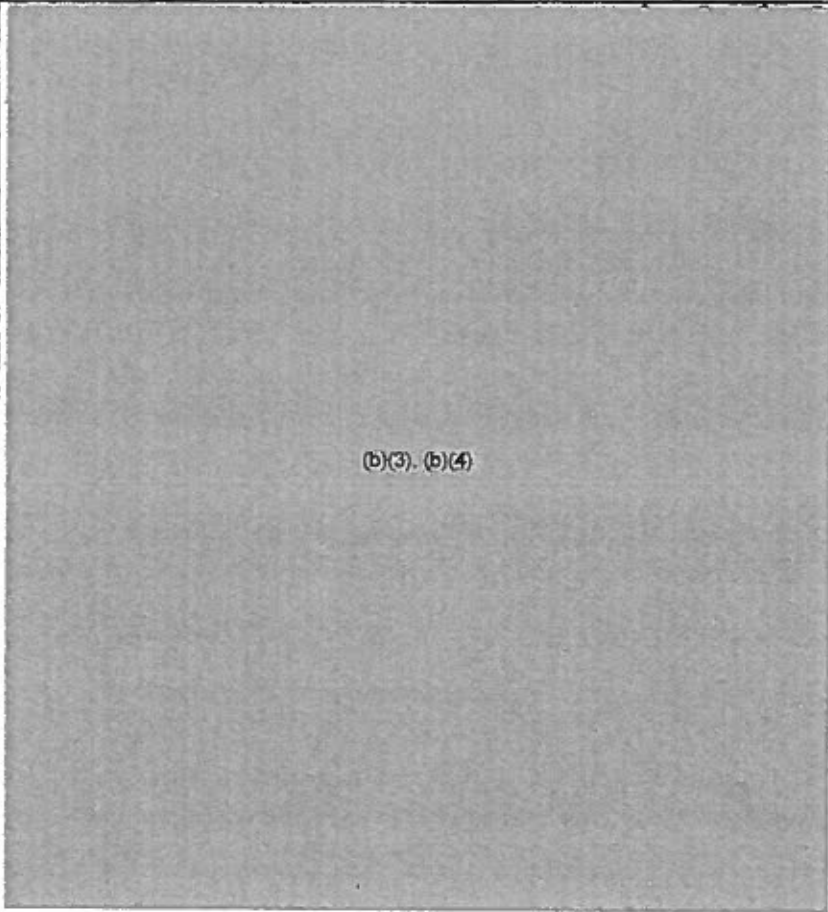
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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
		

(b)(3), (b)(4)

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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
(b)(3), (b)(4)		

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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
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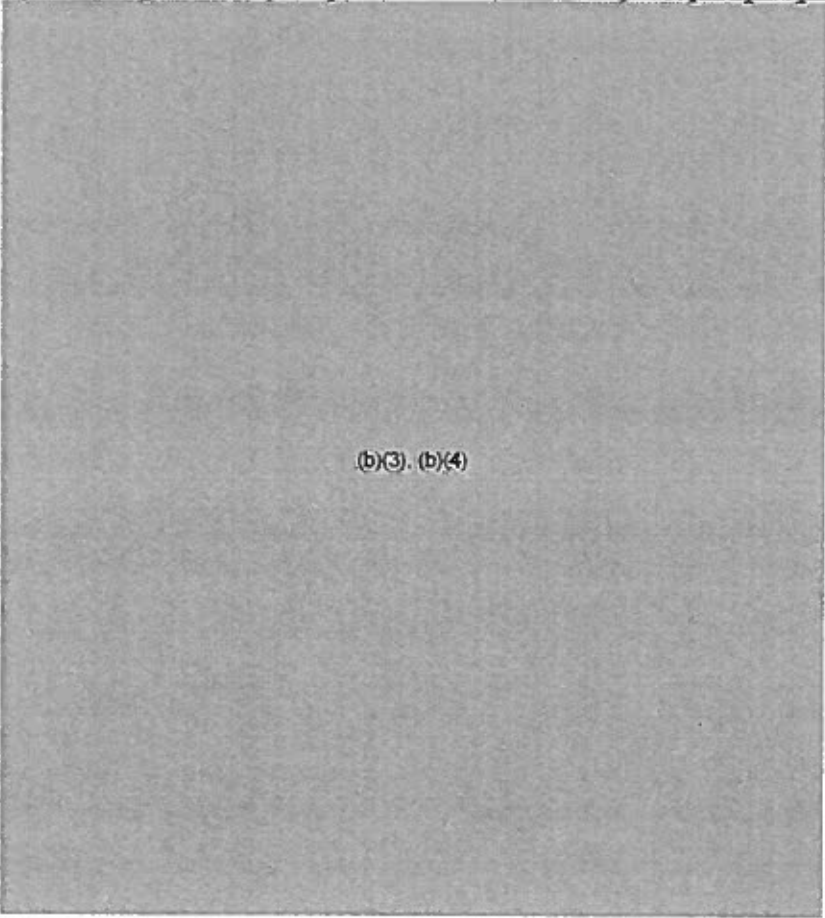
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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
		

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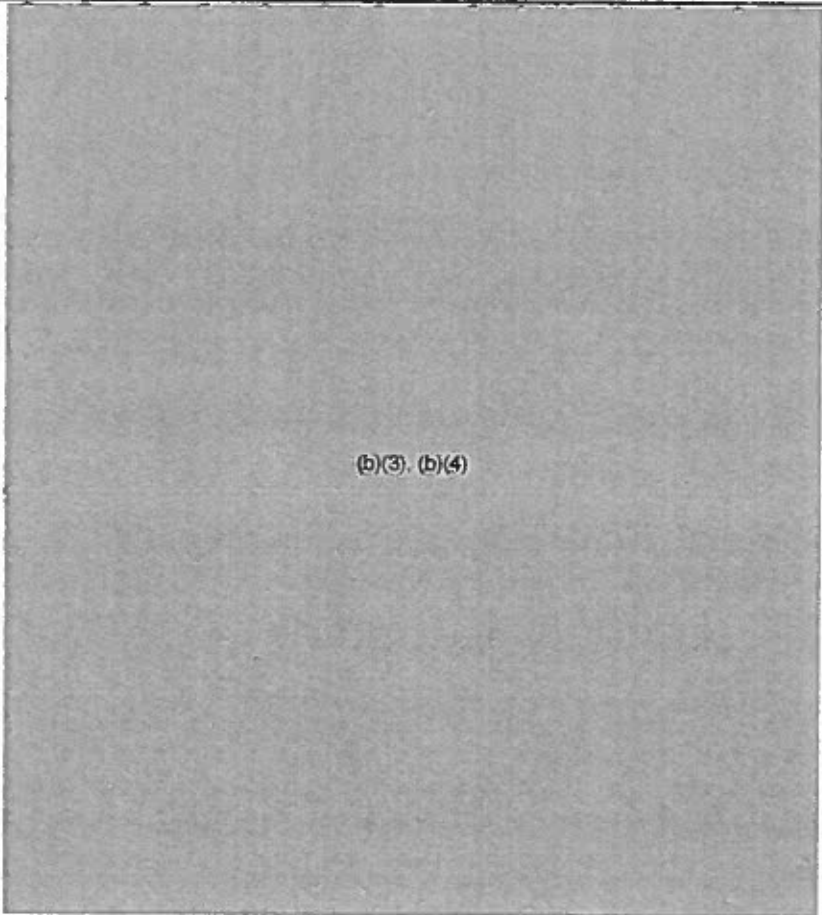
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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
		

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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
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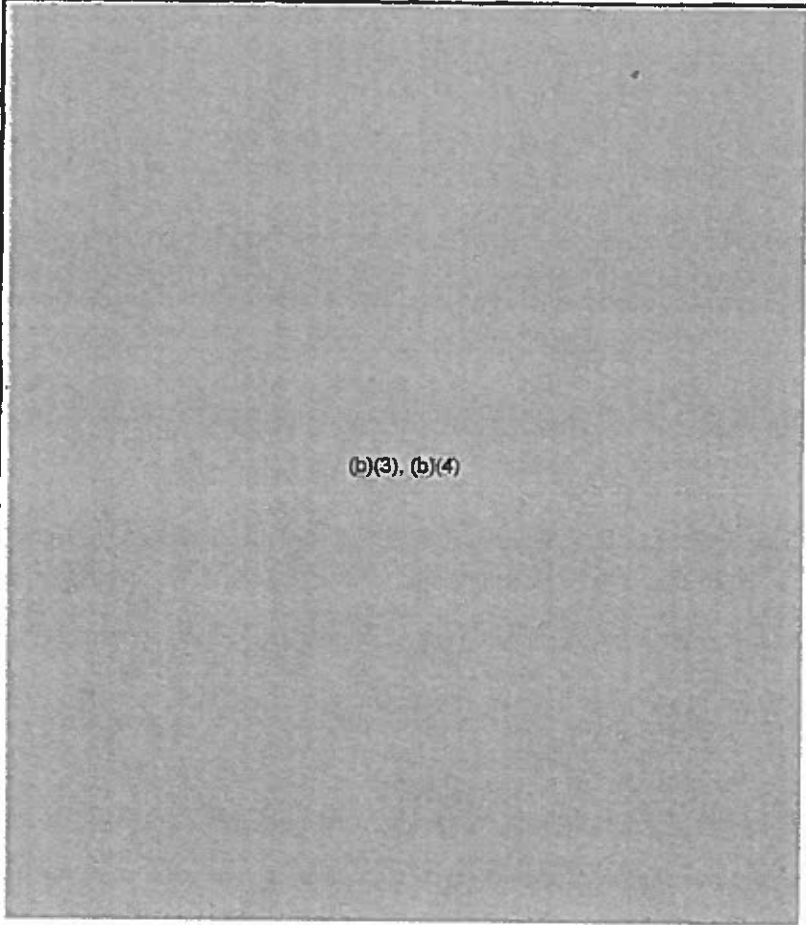
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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
		

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ACTIVITY	DELIVERABLE TITLE	BASELINE SCHEDULE DATE
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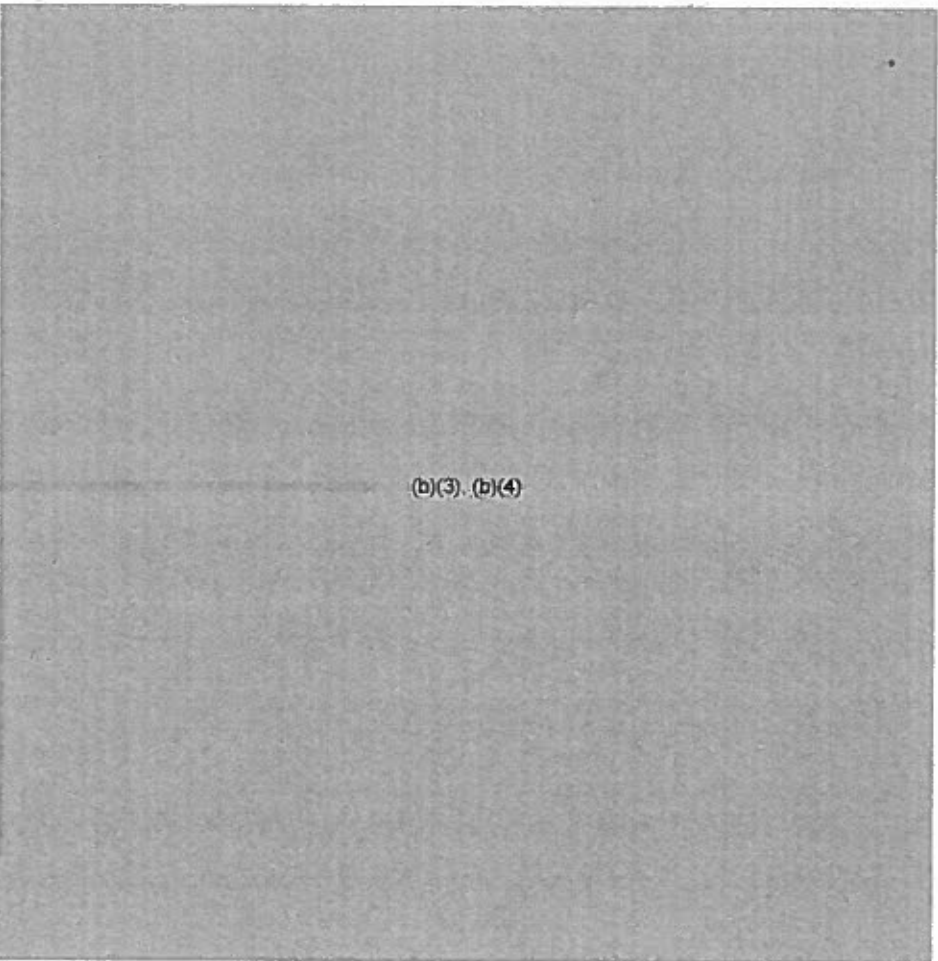
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NAVSEA SUBMARINE POINT TASK INSTRUCTION/ WORK ELEMENT DESCRIPTION (WED)																																								
1. CONTRACTOR: Electric Boat Corp.		2. CONTRACT NO. N00024-09-C-2100		3. SLIN: 1100																																				
4. TASK NO: 10 1100 01		5. REV NO: -	6. APPN: FMS / US RDT&E	7. DATE: 28/2010																																				
8. TASK NO: 10 1100 01		9. SYTHHEAD: FMS397		10. ORIG CODE: FMS397																																				
11. SUBJECT: CMC Concept and System Definition and Initiation of Detail Design (CLIN 1100)																																								
12. DESCRIPTION OF WORK: (Do not delete any below the last line of this block. Attach a cover sheet if required.) Conduct concept studies and design activities for the CMC, including, but not limited to, development of a CMC specification, development of system diagrams and arrangements, missile tube detail design, and preparation of a Manufacturing Assembly Plan. Maintain CMC schedule for development of design deliverables that supports (b)(4) component prototyping, qualification, and ship construction schedules. Provide engineering, design, technical support and other efforts necessary to develop an accurate and producible design. The design must be able to support production at multiple shipyards. Total funding defined in this WED includes all CY 2010 CMC Unique activities defined in reference (4) and all future capability efforts defined in reference (3). A. Development of designs, weights, drawings, system diagrams, interface specifications, interface control documents, system layouts, logistics data, and other data required to design and produce the CMC. B. Performance of engineering calculations, preparation of design and testing documents, and specification development and maintenance required to support the design of the CMC, and other data required in support of the design effort. C. Enhancement for productivity and reduced cost by making optimal use of Contractor production facilities, tooling, materials, labor force, sources of supply, manufacturing processes and technologies, and other productivity initiatives. (b)(4) D. Performance of the necessary management effort to ensure the on-schedule development of the CMC design and documentation. The Contractor shall identify and maintain visibility of all problems and potential problems arising during contract performance which could impact the schedule. The Contractor shall continue to organize, integrate and control program activities to resolve problems of design, fabrication, and testing of CMC component prototypes, qualification components or modules, and the CMC. To accomplish this the Contractor shall perform the efforts listed below, including but not limited to the following: 1) Maintain an Integrated Master Schedule (IMS) 2) Develop and maintain Long Lead Time Material (LLTM) Lists and Schedules 3) Develop and maintain a Contractor Performance Management System 4) Maintain a Work Breakdown Structure (WBS) which comprises the entire work effort addressed herein. 5) Conduct Event - Based Technical Reviews 6) Host and conduct Program Management Team (PMT) Reviews. List of Key Work Elements Preferred Item, Anticipated Item, Non-Preferred Item, Preferred Item, Anticipated Item, Non-Preferred Item Detail Design <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="12">CY 10</th> </tr> <tr> <th>J</th><th>F</th><th>M</th><th>A</th><th>M</th><th>J</th><th>J</th><th>A</th><th>S</th><th>O</th><th>N</th><th>D</th> </tr> <tr> <td>P</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>					CY 10												J	F	M	A	M	J	J	A	S	O	N	D	P											
CY 10																																								
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P																																								
13. ATTACHMENTS: A. Detail Cost Summary B. Hours and Activities by SSSD WBS C. List of Applicable CORL's D. CMC Deliverables CY 2010																																								
14. REFERENCES: (1) CMC IMS Update to Revision (-) dated 3 Jun 2009 (2) CMC Tier I Schedule Iteration V11 dated 18 Oct 2009 (3) CY 10 Future Capability WED dated 26 Jan 2010 (4) Concept and System Definition and Initiation of Detail Design (CLIN 1100) - UK Unique WED dated 18 Oct 2009																																								
15. DELIVERABLES & DATES REQUIRED: See Attachment C																																								
16. FUNDING: A funding indication in the amount of (b)(4) (see (b)(4)) is hereby established for this task and shall not be executed without prior NAVSEA Contracting Officer's Representative (COR) approval. The Contractor shall notify the NAVSEA COR in the event of any anticipated change in the total cost of this task within twenty (20) working days of receipt of the task. A detailed explanation is to be provided for any requested modification of the established cost limitation. Upon acceptance of 75% of the cost of the effort required under the task instruction, the contractor shall notify the NAVSEA Task Manager, Funding Sponsor, and COR identified below. NAVSEA will then provide further direction.																																								
17. REMARKS: N/A																																								
(b)(4), (b)(6)		(b)(4), (b)(6)																																						
(b)(4), (b)(6)	(b)(4), (b)(6)	(b)(4), (b)(6)	(b)(4), (b)(6)																																					